

## Chapter NR 424

CONTROL OF ORGANIC COMPOUND EMISSIONS FROM  
PROCESS LINES

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**NR 424.01 Applicability; purpose.** (1) **APPLICABILITY.** This chapter applies to all process lines which are direct air contaminant sources and to their owners and operators.

(2) **PURPOSE.** This chapter is adopted under ss. 144.31 and 144.38, Stats., to categorize organic compound emissions from process lines into a separate organic compound air contaminant source category and to establish emission limitations for this category of sources in order to protect air quality.

**History:** Cr. Register, September, 1986, No. 369, eff. 10-1-86; am. Register, February, 1990, No. 410, eff. 3-1-90.

**NR 424.02 Definitions.** In addition to the definitions in this section, the definitions contained in chs. NR 400, 419, 420 and 421 apply to the terms used in this chapter.

(1) "Aerosol can filling facility" means any facility which operates one or more aerosol can filling lines.

(2) "Aerosol can filling line" means any process line which inserts aerosol propellants composed of butanes, isobutanes, propanes, or any other VOC into cans.

**History:** Cr. Register, September, 1986, No. 369, eff. 10-1-86; am. (1) and cr. (2), Register, April, 1988, No. 388, eff. 5-1-88.

**NR 424.03 Process lines emitting organic compounds.** (1) **EXEMPTIONS.** (a) This section applies to all process lines which emit organic compounds, solvents or mixtures, with the following exceptions:

1. Process lines outside the Southeastern Wisconsin Intrastate AQCR on which construction or modification commenced on or before April 1, 1972.

2. Organic compound-water separation systems that process 757 liters (200 gallons) per day or less.

3. Enclosed paint spraying operations from which emissions are never greater than 13.6 kilograms (30 pounds) in any day and never greater than 2.8 kilograms (6.2 pounds) in any hour.

4. All other process lines from which organic compound emissions are never greater than 6.8 kilograms (15 pounds) in any day and never greater than 1.4 kilograms (3.1 pounds) in any hour.

(b) Where process lines are subject to emission limitations listed elsewhere in chs. NR 419 to 423, the requirements of this section shall apply in accord with the provisions of s. NR 425.03 (7) (b).

Register, September, 1990, No. 417

(2) **EMISSION LIMITATIONS.** Process lines to which this section applies shall meet the following emission limitations:

(a) Process lines on which construction or modification commenced before August 1, 1979, shall control emissions of photochemically reactive organic compounds by 85%.

(b) Process lines on which construction or modification commenced on or after August 1, 1979, and which are not subject to emission limitations listed elsewhere in chs. NR 419 to 423 shall:

1. Control organic compound emission by at least 85%, or

2. Where 85% control has been demonstrated to be technologically infeasible for a specific process line, control organic compound emissions by use of the latest available control techniques and operating practices demonstrating best current technology, as approved by the department.

(3) **ELECTION.** Surface coating and printing processes subject to the requirements of this section may instead elect, with the approval of the department, to meet the emission limitations of s. NR 422.01 to 422.155, notwithstanding ss. NR 422.03 (1), (2), (3) or (4) and 425.03, provided that:

(a) The process line meets the specific applicability requirements of ss. NR 422.05 to 422.155; and

(b) The owner or operator submits a written request to the department. Written requests under this paragraph shall include, in the case of sources constructed prior to August 1, 1979, a schedule for meeting the requirements of ss. NR 422.01 to 422.155.

*History:* Renum. from NR 154.13 (11), Register, September, 1986, No. 369, eff. 10-1-86; corrections in (1) (b) and (3) (a) made under s. 13.93 (2m) (b) 7, Stats., Register, April, 1988, No. 388; r. (2) (b), renum. (2) (c) to be (2) (b) and am., Register, April, 1989, No. 400, eff. 5-1-89; am. (3), Register, August, 1989, No. 404, eff. 9-1-89; am. (1) (a) (intro.), 3. and 4., (b), (2) (intro.) and (3) (intro.), Register, February, 1990, No. 410, eff. 3-1-90.

**NR 424.04 Aerosol can filling.** (1) **APPLICABILITY.** Effective October 1, 1986, this section applies to any aerosol can filling facility which has the potential to emit more than 100 tons of VOCs per year and which is located within the counties of Kenosha, Milwaukee, Ozaukee, Racine, Washington or Waukesha.

(2) **EMISSION LIMITATIONS.** The owner or operator of an aerosol can filling facility shall install and operate a vapor recovery system or other device approved by the department in order to reduce the amount of VOCs emitted from an aerosol can filling line by at least 52% by weight, as compared to uncontrolled VOC emissions from the line. Compliance shall be measured by a flame ionization detector or other device approved by the department.

(3) **COMPLIANCE REQUIREMENTS AND SCHEDULES.** The owner or operator of an aerosol can filling facility shall comply with the requirements of this section as follows:

(a) The owner or operator of an aerosol can filling facility which is in compliance with the emission control requirements and emission limitations of this section shall certify compliance to the satisfaction of the department within 90 days after October 1, 1986.

(b) The owner or operator of an aerosol can filling facility on which construction or modification commenced on or after October 1, 1986 shall meet the emission limitations of this section upon startup unless the owner or operator demonstrates to the satisfaction of the department that compliance upon startup would be technologically infeasible. Such sources shall instead meet a department specified compliance schedule which provides for compliance with the emission limitations of this section as soon as practicable but in no event later than the time period allowed for achieving final compliance under par. (c).

(c) The owner or operator of an aerosol can filling facility which proposes to comply with the requirements of this section by installing and operating emission control equipment or process equipment may not exceed the deadlines specified in the following increments of progress and final compliance date, as measured from October 1, 1986:

1. Submit final plans to the department for achieving compliance within 5 months.
2. Award contracts for equipment modifications or issue orders for the purchase of component parts to accomplish equipment modifications within 7 months.
3. Commence construction or installation of equipment modifications within 10 months.
4. Complete construction or installation of equipment modifications within 14 months.
5. Achieve final compliance not later than December 31, 1987.

History: Cr. Register, September, 1986, No. 369, eff. 10-1-86; am. (2) and (3) (c) 4., Register, April, 1988, No. 388, eff. 5-1-88; am. (1), Register, February, 1990, No. 410, eff. 3-1-90.